

Title (en)
Turbine

Title (de)
Turbine

Title (fr)
Turbine

Publication
EP 2824371 B1 20180110 (EN)

Application
EP 14176202 A 20140708

Priority
GB 201312505 A 20130712

Abstract (en)
[origin: EP2824371A1] A turbine comprises a turbine housing defining a turbine inlet upstream of a turbine wheel and a turbine outlet downstream of the turbine wheel; a wastegate passage connecting the turbine inlet and the turbine outlet; and a wastegate valve comprising a movable valve member. The wastegate valve has an open state in which gas may pass between the turbine inlet and turbine outlet via the wastegate passage and a closed state in which the valve member substantially prevents gas from passing between the turbine inlet and the turbine outlet via the wastegate passage. The valve member is mounted to an actuation member, the actuation member passing through an actuator conduit of the turbine housing, and being movable so as to move the wastegate valve between the open and closed states. The turbine further comprises a sealing arrangement configured to provide a seal arranged to substantially prevent gas from passing from the turbine outlet into the actuator conduit. The sealing arrangement is configured such that when the valve member of the wastegate valve is urged into the closed state by the actuator member the sealing effectiveness of the sealing arrangement is increased.

IPC 8 full level
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